

03040203-180

(*Lumber River*)

General Description

Watershed 03040203-180 (formerly portions of 03040203-215 and -220) is located in Dillon, Horry, and Marion Counties and consists primarily of the **Lumber River** and its tributaries from the South Carolina/North Carolina state line to its confluence with the Little Pee Dee River. The watershed occupies 16,631 acres of the Upper and Lower Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Woodington-Norfolk-Yonges-Coxville-Goldsboro series. The erodibility of the soil (K) averages 0.19; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 45.6% forested wetland, 30.6% forested land, 12.7% scrub/shrub land, 11.0% agricultural land, and 0.1% water.

The Lumber River originates in North Carolina and accepts drainage within South Carolina from the Ashpole Swamp Watershed, the Jordan Creek Watershed, and Boggy Branch (Pew Branch). There are several ponds (totaling 5.1 acres) in this watershed and a total of 37.9 stream miles, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-038	P	FW	LUMBER RIVER AT US 76 AT NICHOLS

Lumber River (PD-038) - Aquatic life uses are fully supported; however, there is a significant decreasing trend in dissolved oxygen and a significant increasing trend in turbidity. There is a significant increasing trend in pH. This is a blackwater system, characterized by naturally low pH. Although pH excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. A significant decreasing trend in five-day biochemical oxygen demand suggests improving conditions for this parameter. Di-n-butylphthalate was detected in the 1995 sediment sample. Recreational uses are fully supported.

A fish consumption advisory has been issued by the Department for mercury and includes the Lumber River within this watershed (see advisory p.115).

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

COMMENT

NPDES#

TYPE

LIMITATION

LUMBER RIVER

TOWN OF NICHOLS WWTP

PIPE #: 001 FLOW: 0.135

SC0041327

MINOR DOMESTIC

EFFLUENT

Water Supply

Portions of this watershed fall within the Waccamaw Capacity Use Area and large groundwater uses must be reported (see Capacity Use Program p.23).

Growth Potential

There is a low potential for growth in this watershed, which contains the Town of Nichols. An extensive rural water system serves the majority of the watershed, but sewer services are limited to the Town of Nichols. U.S. Hwy. 76 crosses the watershed (through the Town of Nichols), but it is a two-lane road with no plans for improvement. A railway line crosses the watershed, but there are no industrial areas located in this region.